

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/551,525  
Source: IFWP  
Date Processed by STIC: 4/10/07

# ***ENTERED***



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/551,525**

**DATE: 04/10/2007**  
**TIME: 13:10:03**

**Input Set : A:\Seq Listing.txt**  
**Output Set: N:\CRF4\04102007\J551525.raw**

3 <110> APPLICANT: EluSys Therapeutics, Inc.

5 <120> TITLE OF INVENTION: Immunogenicity-reduced anti-CR1 antibody and compositions

and

6       methods of treatment based thereon  
 8 <130> FILE REFERENCE: ELI-037US  
 10 <140> CURRENT APPLICATION NUMBER: 10/551,525  
 11 <141> CURRENT FILING DATE: 2005-09-30  
 13 <150> PRIOR APPLICATION NUMBER: 60/458,869  
 14 <151> PRIOR FILING DATE: 2003-03-28  
 16 <160> NUMBER OF SEQ ID NOS: 14  
 18 <170> SOFTWARE: PatentIn version 3.2  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 366  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Mus musculus  
 25 <400> SEQUENCE: 1.  
 26 gatgtgcagc ttcaaggagtc gggacctggc ctggtaaaac cttctcagtc tctgtccctc       60  
 28 acctgcactg tcactggcta ctcaatcacc agtgattatg cctggaaactg gatccggcag       120  
 30 ttccaggaa acaagctgga gtggatgggc tacataagct acagtggtag cactagctac       180  
 32 caccatctc tcaaaagtgc aatctctatc actcgagaca catccaagaa ccagttcttc       240  
 34 ctgcagttga attctgtgac tactgaggac acagccacat attactgtac aactatcatt       300  
 36 aactatgata agtacgactg gtacttcgat gtctggggcg cagggaccac ggtcaccgtc       360  
 38 tcctca       366  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 122  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Mus musculus  
 46 <400> SEQUENCE: 2  
 48 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
 49       1       5       10       15  
 52 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp  
 53       20       25       30  
 56 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp  
 57       35       40       45  
 60 Met Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu  
 61       50       55       60  
 64 Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe  
 65       65       70       75       80  
 68 Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys  
 69       85       90       95  
 72 Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp  
 73       100       105       110  
 76 Gly Ala Gly Thr Thr Val Thr Val Ser Ser  
 77       115       120

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Input Set : A:\Seq Listing.txt

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80 <210> SEQ ID NO: 3  
 81 <211> LENGTH: 332  
 82 <212> TYPE: DNA  
 83 <213> ORGANISM: Mus musculus  
 86 <220> FEATURE:  
 87 <221> NAME/KEY: misc\_feature  
 88 <222> LOCATION: (32)..(34) /  
 89 <223> OTHER INFORMATION: n is a, c, g, or t  
 91 <220> FEATURE:  
 92 <221> NAME/KEY: misc\_feature  
 93 <222> LOCATION: (67)..(69) /  
 94 <223> OTHER INFORMATION: n is a, c, g, or t  
 96 <400> SEQUENCE: 3

W--> 97 tacattgtgc tgacacagtc tcctgcttcc tnnnttgtgt ctctgaggca gagggccacc 60  
 99 atctcannng ggccagccaa agtgtcagga catcaagtta tagttatata cactggtacc 120  
 101 aacagaaacc aggacagccca cccaaactcc tcatacaagta tgcataccagc ctagaatctg 180  
 103 gggccctgc caggttcagt ggcagtgggt ctgggacaga cttcaccctc aacatccatc 240  
 105 ctgtggagga ggaggatact gcaacatatt actgtcagca cagttggag attccgtgga 300  
 107 cgttcgggtgg aggcaccaca ctggaaatca ga 332

110 <210> SEQ ID NO: 4  
 111 <211> LENGTH: 111  
 112 <212> TYPE: PRT  
 113 <213> ORGANISM: Mus musculus  
 115 <400> SEQUENCE: 4  
 117 Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Val Val Ser Leu Arg  
 118 1 5 10 15  
 121 Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser Val Arg Thr Ser  
 122 20 25 30  
 125 Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro  
 126 35 40 45  
 129 Lys Leu Leu Ile Lys Tyr Ala Ser Ser Leu Glu Ser Gly Val Pro Ala  
 130 50 55 60  
 133 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His  
 134 65 70 75 80  
 137 Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln His Ser Trp  
 138 85 90 95  
 141 Glu Ile Pro Trp Thr Phe Gly Gly Thr Thr Leu Glu Ile Arg  
 142 100 105 110

145 <210> SEQ ID NO: 5  
 146 <211> LENGTH: 827  
 147 <212> TYPE: DNA  
 148 <213> ORGANISM: Mus musculus  
 151 <220> FEATURE:  
 152 <221> NAME/KEY: misc\_feature  
 153 <222> LOCATION: (36)..(36) /  
 154 <223> OTHER INFORMATION: n is a, c, g, or t  
 156 <220> FEATURE:  
 157 <221> NAME/KEY: misc\_feature  
 158 <222> LOCATION: (69)..(72) /

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159 <223> OTHER INFORMATION: n is a, c, g, or t  
 161 <220> FEATURE:  
 162 <221> NAME/KEY: misc\_feature  
 163 <222> LOCATION: (664)..(666)  
 164 <223> OTHER INFORMATION: n is a, c, g, or t  
 166 <220> FEATURE:  
 167 <221> NAME/KEY: misc\_feature  
 168 <222> LOCATION: (700)..(702)  
 169 <223> OTHER INFORMATION: n is a, c, g, or t  
 171 <400> SEQUENCE: 5  
 W--> 172 aagcttatga atatgaaat cctctgaatc tacatngtaa atataagggtt gtctatacca 60  
 174 caaacagann nncatgagat cacagttctc tctacagtta ctgagcacac aggacctcac 120  
 176 catggatgg agctgtatca tcctcttctt ggtagcaaca gctacagta aggggctcac 180  
 178 agtagcaggc ttgaggtctg gacatatata tgggtgacaa tgacatccac ttgccttc 240  
 180 tctccacagg tgtccactcc gatgtgcagc ttcaggagtc gggacctggc ctggtaaac 300  
 182 cttctcagac tctgtccctc acctgcactg tctctggcta ctcaatgacc agtGattatg 360  
 184 cctggaactg gattcggcag tttccaggaa aggggctgga gtggatcggc tacataagct 420  
 186 acagtggtag cactacctac caccatctg tcaaaagtgc aatcaactatc tctcgagaca 480  
 188 catccaagaa ccagttctc ctgcagatg actctgtgac tactgaggac acagccacat 540  
 190 attactgtac aactatcatt aactatgata agtacgactg gtacttcgat tactggggcc 600  
 192 aagggaccac ggtcaccggtc tcctcagggtg gtccttacaa cctctctt ctattcagct 660  
 194 taannngatt ttactgcatt tggtgggggg gaaatgtgttn nntctgaatt tcaggtcatg 720  
 196 aaggactagg gacacattgg gagtcagaaa gggtcattgg gagcccccggc tgatgcagac 780  
 198 agacatcctc agtcccaga cttcatggcc agagattat aggatcc 827  
 201 <210> SEQ ID NO: 6  
 202 <211> LENGTH: 126  
 203 <212> TYPE: PRT  
 204 <213> ORGANISM: Mus musculus  
 206 <400> SEQUENCE: 6  
 208 Gly Val His Ser Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val  
 209 1 5 10 15  
 212 Lys Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser  
 213 20 25 30  
 216 Met Thr Ser Asp Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys  
 217 35 40 45  
 220 Gly Leu Glu Trp Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Thr Tyr  
 221 50 55 60  
 224 His Pro Ser Val Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys  
 225 65 70 75 80  
 228 Asn Gln Phe Phe Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala  
 229 85 90 95  
 232 Thr Thr Tyr Cys Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr  
 233 100 105 110  
 236 Phe Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 237 115 120 125  
 240 <210> SEQ ID NO: 7  
 241 <211> LENGTH: 630  
 242 <212> TYPE: DNA  
 243 <213> ORGANISM: Mus musculus

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246 <220> FEATURE:  
247 <221> NAME/KEY: misc\_feature  
248 <222> LOCATION: (559)..(559)  
249 <223> OTHER INFORMATION: n is a, c, g, or t  
251 <400> SEQUENCE: 7  
252 agcttatgaa tatgcaaatac ctctgaatct acatggtaaa tataggttg tctataaccac 60  
254 aaacagaaaa acatgagata cagttctctc tacagttact gagcacacag gacctcacca 120  
256 tggatggag ctgtatcatc ctcttcttgg tagcaacacgc tacaggtaag gggctcacag 180  
258 tagcaggctt gaggtctgga catatatatg ggtgacaatg acatccactt tgccttctc 240  
260 tccacaggtg tccactccga cattgtgctg acacagtctc ctgcttcctt agttgtgtct 300  
262 gtgaggcaga gggccaccat ctcatgcagg gccagccaaa gtgtcaggac atcaagttat 360  
264 agttatatac actggatcca acagaaacca ggacagccac ccaaactcct catctactat 420  
266 gcatccagcc tagaatctgg ggtccctgcc aggttcagtg gcagtgggtc tggacagac 480  
268 ttcaccctca acatcagtcc tgtggaggag gaggatactg caacatatta ctgtcagcac 540  
W--> 270 agttgggaga ttccgtggnc gttcggtcca ggcaccaaag tggaaatcaa acgtgagtag 600  
272 aatttaaact ttgcttcctc agttggatcc 630  
275 <210> SEQ ID NO: 8  
276 <211> LENGTH: 114  
277 <212> TYPE: PRT  
278 <213> ORGANISM: Mus musculus  
281 <220> FEATURE:  
282 <221> NAME/KEY: misc\_feature  
283 <222> LOCATION: (104)..(104)  
284 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
286 <400> SEQUENCE: 8  
288 Gly Val His Ser Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Val  
289 1 5 10 15  
292 Val Ser Val Arg Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser  
293 20 25 30  
296 Val Arg Thr Ser Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro  
297 35 40 45  
300 Gly Gln Pro Pro Lys Leu Leu Ile Tyr Tyr Ala Ser Ser Leu Glu Ser  
301 50 55 60  
304 Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Phe Thr Leu  
305 65 70 75 80  
308 Asn Ile Ser Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln  
309 85 90 95  
W--> 312 His Ser Trp Glu Ile Pro Trp Xaa Phe Gly Pro Gly Thr Lys Val Glu  
313 100 105 110  
316 Ile Lys  
320 <210> SEQ ID NO: 9  
321 <211> LENGTH: 122  
322 <212> TYPE: PRT  
323 <213> ORGANISM: Mus musculus  
325 <400> SEQUENCE: 9  
327 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
328 1 5 10 15  
331 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Met Thr Ser Asp  
332 20 25 30

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335 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp  
 336 35 40 45  
 339 Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Val  
 340 50 55 60  
 343 Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe  
 344 65 70 75 80  
 347 Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys  
 348 85 90 95  
 351 Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp  
 352 100 105 110  
 355 Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 356 115 120  
 359 <210> SEQ ID NO: 10  
 360 <211> LENGTH: 122  
 361 <212> TYPE: PRT  
 362 <213> ORGANISM: Mus musculus  
 364 <400> SEQUENCE: 10  
 366 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
 367 1 5 10 15  
 370 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Met Thr Ser Asp  
 371 20 25 30  
 374 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp  
 375 35 40 45  
 378 Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu  
 379 50 55 60  
 382 Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe  
 383 65 70 75 80  
 386 Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys  
 387 85 90 95  
 390 Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp  
 391 100 105 110  
 394 Gly Gln Gly Thr Thr Val Thr Val Ser Ser  
 395 115 120  
 398 <210> SEQ ID NO: 11  
 399 <211> LENGTH: 122  
 400 <212> TYPE: PRT  
 401 <213> ORGANISM: Mus musculus  
 403 <400> SEQUENCE: 11  
 405 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
 406 1 5 10 15  
 409 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Thr Ser Asp  
 410 20 25 30  
 413 Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp  
 414 35 40 45  
 417 Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu  
 418 50 55 60  
 421 Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe  
 422 65 70 75 80  
 425 Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/551,525

DATE: 04/10/2007  
TIME: 13:10:04

Input Set : A:\Seq Listing.txt  
Output Set: N:\CRF4\04102007\J551525.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 32,33,34,67,68,69  
Seq#:5; N Pos. 36,69,70,71,72,664,665,666,700,701,702  
Seq#:7; N Pos. 559  
Seq#:8; Xaa Pos. 104

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/551,525

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Input Set : A:\Seq Listing.txt

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L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

M:341 Repeated in SeqNo=3

L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

M:341 Repeated in SeqNo=5

L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:540

L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:96